

Great blood vessels

- Associated vessels- aorta, superior and inferior vena cava, pulmonary artery and vein
- Superior and inferior vena cava and coronary sinus bring blood into the right atrium
- Pulmonary trunk and then pulmonary arteries take blood from right ventricle to the lungs
- 4 Pulmonary veins bring blood to the left atrium
- Aorta takes blood from the left ventricle to body

Clinical correlation

If the valves are incompetent or insufficient then it can lead to overwork and weakening of the heart muscles. Stenosis or narrowing of the valve is usually caused by calcification or inflammation and can be replaced with mechanical valves or tissue transplant.

Coronary circulation

Supplies blood to heart tissue. The coronary arteries supply blood to the myocardium. The left and right coronary arteries arise from the base of the aorta and encircle the heart in coronary sulcus. Each give rise to two branches and the left – anterior interventricular and circumflex, while right – right marginal and posterior interventricular.

Heart anatomy – slide 28

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